Mission report in Tanzania for CFC/ICAC/33 project

Activity D.2.2. Within-bale variability study in RTC East

From April 26th to May 3rd 2010

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Report prepared by Jean-Paul GOURLOT, Everina LUKONGE and Humphrey SHANGO, with a close control by Dominic MWAKANGALE and Gervas KAISI for the financial and reporting items

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GOURLOT J.-P., LUKONGE E. and SHANGO H., 2010, Mission report in Tanzania for CFC/ICAC/33 project, Activity D.2.2. Within-bale variability study in RTC East, From April 26th to May 3rd 2010, 14 p.

1 - Many thanks

Many thanks are going to TBS, TCB and LZARDI staff and personnel for warm welcome during this trip.

Many thanks are going to TBS, TCB and LZARDI for organizing this trip with Liliane De Cloedt in CIRAD.

Many thanks also are going to all people met that made this mission a success.

2 - Objectives of the mission

- Follow-up the activities of Mrs Dr. Everina LUKONGE according to the variability study in RTC (Regional Technical Centre) East: Check the accumulated results for year 1 and plan the activities for Year 2;
- Install the Mixing – homogenizing machine in the RTC East (hosted by TBS) and insure a training on its use;
- Treat the according financial and reporting activities.

3 - Program of the mission

Dates	Activities
Sunday April 25th 2010	Montpellier – Paris CDG – Nairobi (JPG)
Monday 26th	Nairobi – Mwanza (JPG) Meeting with LZARDI Direction (JPG, EL) Work in content for D.2.2. activity (JPG, EL)
Tuesday 27th	Work in content for D.2.2. activity (JPG, EL)
Wednesday 28th	Work in content for D.2.2. activity (JPG) Mwanza – Dar Es Salaam (JPG) Mwanza – Nairobi (EL)
Thursday 29th	Meeting with TCB Direction (JPG, GK) Meeting with TBS Direction (JPG, DM, GK) Installation of mixing- homogenizing machine in TBS (JPG, GK) Explanation of gained results in West for the variability study (JPG, HS, DM, GK, Maryam)
Friday 30th	Financial and reporting questions (JPG, DM, GK, HS) Grabbing information about D.2.2. sample testing (JPG, GK)
Saturday May 1st	Training on mixing- homogenizing machine in TBS (JPG, GK, DM) Procedure to import data from HVI 1000M700 for H1 (JPG, GK, DM) Work in content for D.2.2. activity (JPG, HS)
Sunday 2nd	Work in content for D.2.2. activity (JPG, EL, HS) Dar Es Salaam – Amsterdam
Monday May 3rd, 2010	Amsterdam – Paris CDG Paris-CDG – Paris Orly Paris Orly – Montpellier

EL: Everina LUKONGE

HS: Humphrey SHANGO, Tanzania Cotton Board

DM, Dominic MWAKANGALE, Tanzania Bureau of Standards

GK: Gervas KAISI, Tanzania Bureau of Standards

MM: Maryam MBWANA, Tanzania Cotton Board

JPG: Jean-Paul GOURLOT

4 - Persons met

4.1 - LZARDI

Dr. Peter KAPINGU, Director

Dr. Tryphon H. KABANI, Head of Crops

Dr. Octavina RAMADAN, Cotton Program

4.2 - TCB

M. Henry J. MUNUO, Acting Director

Mrs Irene MUNUO, Extension ISO Officer

Mrs. Elisabeth MSUYA, Legal Council

With Gervas KAISI from TBS

Mrs Maryam MBWANA and Mr. Justine LUGAJU in the testing laboratory

4.3 - TBS

M. L.S. KINABO, Acting Director,

M. Dominic MWAKANGALE, Project Expert

M. Gervas KAISI, Project Expert

M. Thomas driver of TBS for the Project

5 - Activity D.2.2. on Variability study

For all corresponding reporting questions, please see chapter 7 - .

5.1 - Situation of the sampling and of the testing on April 26th, 2010

Country	Gin	H1	H2	H3	H4
Tanzania	KCCL Kahama (roller)	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
	Ilungi Nyanga (saw)	Collected Not tested	N.A.	Collected Tested TCB Spectrum	Collected Not tested
	S&C Bulamba (roller)	Collected Not tested	Collected a few Not tested	Collected Tested TCB Spectrum	N.A.
Uganda	East Lhukhonge	Collected Not tested	??	Collected Tested TCB Spectrum	
	West Nyakatonzi	Collected Not tested	N.A.	Collected 178 samples Tested TCB Spectrum	Collected some Not tested
	Kasésé Bucheni	Collected Not tested	Collected, to come Not tested	Collected Tested TCB Spectrum	N.A.
Mozambique	Beira Manga Sofara	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
	Nampula Sanam	Collected Not tested	N.A.	Collected but one bag lost Tested TCB Spectrum	Collected Not tested

Country	Gin	H1	H2	H3	H4
	Montepuez, Plexus	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
Zambia	Dunavant Mumbwa	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
	Dunavant Gwembé	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
	Dunavant Kabwé	Collected Not tested	N.A.	Collected Tested TCB Spectrum	Collected Not tested
Zimbabwe	Cottco Bindula	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
	Cottco Gokwé	Collected Not tested	Collected Not tested	Collected Tested TCB Spectrum	N.A.
	Cottco Sanyati	Collected Not tested	N.A.	Collected Tested TCB Spectrum	Collected Not tested
Sudan	SCCL Gezira	Not collected Not tested	Not collected Not tested	Collected Tested TCB Spectrum	N.A.
	SCCL Damazin	Not collected Not tested	Not collected Not tested	Collected Tested TCB Spectrum	N.A.
	SCCL Halfa	Not collected Not tested	N.A.	Collected 100 samples Tested TCB Spectrum	Not collected Not tested

N.A.: Not applicable.

5.2 - Exploration the acquired data

Samples collected by Everina LUKONGE during her missions in the surrounding countries were grouped together at TCB for testing while waiting the final installation of TBS laboratory for RTC East. Thus, Mrs Maryam MBWANA and Mr. Justine LUGAJU, TCB personnel, have been able to analyze all H3 samples and sent us the corresponding data. It has been compiled and checked and is ready for processing now.

From a first look, we can see that there are some variations in the reference materials results when they are tested as normal samples. However, deeper analysis has to be made to see whether data from samples will have to be corrected or not according to any existing drift along time.

We also saw that there are changes in average values and variance of the results within gins and within countries, especially because of the ginning method used mainly (East Africa also uses roller ginning in addition to saw ginning). We will probably come to various operating methods according to the ginning method / location within some countries.

After the inauguration of RTC East beginning of April 2010, the other samples (from H1, H2 and H4) were transferred to RTC East / TBS laboratory. Maryam and Justine from TCB - who made the analysis of H3 samples in TCB laboratory - also are testing all the other samples in RTC East / TBS laboratory; I was able to compile two series of H1 samples from this work after finding a solution with Kaisi and Dominic for getting safely (no loss of data as well as no transmission of virus to the HVI 1000M700) the data out from the HVI machine (see protocol hereafter to recover all digits of the BaleID which are required for our study). We wait for the whole set of data before going further.

On HVI 1000 M700 software:

-Step 1: Menu « Actions » « Export data »

-The windows shows…

Name file (Identifier) C:\hvidata.mdb
❑ Export to dat file
❑ Export according to lot names
☒ Export to Access mdb file
➢ Select lots to be exported

-Tick Export to Access mdb file, and press

Export

Step 2: To overcome the three errors occuring, press 3 times on

OK

-The windows comes back and shows…

Name file (Identifier) Soft. chooses the lot name file .dat*
❑ Export to dat file
☒ Export according to lot names
❑ Export to Access mdb file
➢ Select lots to be exported

-Tick Export according to lot names, and press

Export

Step 3: On Windows Explorer:

- ❑ Go to C:\Program Files\Uster\HVI\Data
- ❑ Copy the « lot name file ».dat*
- ❑ Paste to CD RW
- ❑ Menu « File » « Write files to the CD »
- ❑ Check content of CD
- ❑ Take the CD RW out of the reader

* Example: ZAMBIA -KABWE-H1_ZaMBIA -MUMBWA-H1_.dat

Version JPG - 07 May 2010

5.3 - Planning of further work and travel missions

5.3.1 - List of the second year experiments

This year, we will run four types of experiments:

- H1 of first year will be run the same way, taking one sample per bale on one lot but only on 100 consecutive bales at the gin mill (last year it was 200 bales);
- H5 is new; it consists of taking one sample on top and one sample from bottom of 20 consecutive bales on one day, and do the same every week for 10 times. This will let

us know about the within-bale variability and the between bale variability and their stability along a crop year.

- Finally, from the 2009 crop, we will learn about a possible testing protocol to be used in 2010 in laboratory according to the origin of the sample. This operating method will be used on a large number of samples in two different laboratories, and we will check the repeatability of the measurements according to preset tolerances (USDA 2000 as for the retest activity).
- We will also attempt to get 2 samples per bales in the same testing conditions as above to mimic what really happens in the trade where one sample may be grabbed from the bale and be classed on one side, and another sample may be grabbed from the same bale by the buyer and tested concurrently. Results will then show the level of agreement between the "seller" and the "buyer" as it is existing in the actual trade.

These 2 last experiments are finally trying to reproduce the work done by Sasser in 1992 in the paper "The repeatability of HVI data" where 179915 bales (around 1.3% of the produced bales in 1991 which was around 13 504 000 bales according to ICAC data) were tested 2 times in two different laboratories.

More details about the way to run these experiments are currently discussed and will be finalized in a specific report or "working document" for the associated scientists.

5.3.2 - In 2010

April-May 2010: Jean-Paul GOURLOT went to Tanzania (this mission report).

August 2010: Everina LUKONGE will be coming from August 9th for a 15 days mission in Montpellier to get the information from the student in mathematics who will process her data with the same tools which were developed for Modeste ABOE's PhD.

5.3.3 - In 2011

January: Everina will go to Uganda for sampling

January (?): depending on the date of final testing of those samples, she may come in Montpellier for processing data and write final report and communication to the WCRC6 in Mumbai.

September-October: WCRC6 in Mumbai

Date (?): ACA meeting

5.3.4 - Information about the data analysis

CIRAD has now welcomed Pascal HUBLE for running the data analysis for Modeste ABOE (RTC West) and Everina's data on CIRAD counterpart money. Pascal has started his four months graduation stage on Monday May 3rd; he already started to look at the stability of the results for reference materials tested as samples for West data. The calculation routines made available for West data will also be used for East data.

6 - Mixing-homogenizing machine installation

The copy of the mixing-homogenizing machine was delivered in early April 2010 and remained in its box up to my visit. With the help of TBS personnel, we mounted the machine and connected it to the power and compressed air networks. After a training session to M. Kaisi to its use, we were able to process one cotton without problem.

However, I recommend not using this device at the same time as the SITC instrument as the air compressor showed its limitations in maintaining its production at the required flow and pressures. In addition, I recommend to stop the machine during the hand preparation of the cotton to feed the feeding table, as this will allow time to the compressor to feed its reserve at the proper pressure.

To accompany the machine, two documents were given: 1) the manual of use from the manufacturer SYDEL, and 2) the protocol of use in the case of regional trial preparations given by Laura PAYET via email on April 28th.

We can then consider that everything is fixed and finished on that activity for the Project.

7 - Financial and reporting questions

To clarify all financial and reporting questions, I had discussion with all partners of the project linked to the activity D.2.2. From all these discussions, it appears that up to now all perdiem and travel costs have been stated in the various SOE from the beginning of the experiments.

However, it seems that nothing was paid (or only partially) concerning the according money stated (already or to come) in the Working Time Reports. The various following points are then designed to report the questions and possible answers and actions to run to clarify the actual situation and fix routine actions for future reporting so as not to come back in the same situations.

7.1 - WTR Q5-Q7 of Everina LUKONGE

When I came to Tanzania in September 2009, Everina and I prepared the WTR tables for Q5 to Q7. This file was sent with an invoice to RTC East / TBS for further reporting (see image copy below).

Activity code		Description of the activity		Week	27	28	29	30	31	32	33	34	35	36	37	38	39	Quarter 7	Total days
				Person															
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission in Montpellier	EL														0.00	20.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Uganda	EL														0.00	5.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Training to TBS	EL				5.00										5.00	5.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Sudan	EL					5.00									5.00	5.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Tanzania	EL					2.00	2.00	5.00							9.00	12.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Zambia	EL								7.00	1.00					8.00	8.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Mozambique	EL										4.00	4.00			8.00	8.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Zimbabwe	EL													7.00	7.00	7.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Preparation of missions	EL	1.00													1.00	3.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Driver	Daily worker													1.00	1.00	1.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Time with JPG	EL													7.00	7.00	7.00
				Total	1.00	0.00	0.00	5.00	7.00	2.00	5.00	7.00	1.00	4.00	4.00	0.00	###	51.00	81.00

However the corresponding money was not received yet at LZARDI. One explanation would come from the question of normal exchange rates to be applied: indeed, the question comes from the fact the LZARDI TBS CIRAD agreement was signed in Euro while RTC East is mainly working in USD.

In this agreement, it is stated that every day work can be charged 80 Euros. We have to go through PEA to know the conversion coefficient between USD and Euro to prepare the invoice (at the official exchange rate of 1.25, then 80 Euros corresponds to 100 USD).

All documents exist for tracing and clearing the situation.

7.2 - WTR Q8 of Everina LUKONGE

For Q8, here is the WTR statement of Everina Lukonge I approve. This was sent to TBS together with an invoice.

Activity code		Description of the activity		Week	40	41	42	43	44	45	46	47	48	49	50	51	52	53	Quarter 8
				Person															
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission in Montpellier	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Uganda	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Training to TBS	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Sudan	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Tanzania	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Zambia	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Mozambique	EL															0.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Mission to Zimbabwe	EL		7.00	4.00												11.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Preparation of missions	EL											3.00	3.00			6.00

7.3 - WTR Q9 of Everina LUKONGE

During my stay in Tanzania in September 2009, we prepared as well the Q9 report that is currently submitted to RTC East/TBS together with an invoice.

				Week	1	2	3	4	5	6	7	8	9	10	11	12	Quarter 9
Activity code		Description of the activity		Person													
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Preparation of mission to Uganda (including stays in Dar	EL								1.00	5.00	6.00			12.00
D	D.2.2.	Study of African cotton variability in the producing zones in order to choose the best operating methods	Working days	EL											3.00		3.00
				Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	5.00	6.00	3.00	0.00	15.00

7.4 - WTR Q10 of Everina LUKONGE and Humphrey SHANGO

For the variability study, technician and operator are required to test all collected samples, however, up to now, no time was reported by Humphrey SHANGO for the H3 sample analysis in TCB. We agreed that this time will be reported in Q10 according to the attached email:

De : Jean-Paul GOURLOT [mailto:jean-paul.gourlot@cirad.fr]
Envoyé : jeudi 6 mai 2010 16:27
À : 'Humphrey Shango'; 'Gervas Kaisi'; Dominic Mwakangale (dhmwakangale@yahoo.com)
Cc : 'Everina Lukonge'; Philipp Lehne <lehne@faserinstitut.de>; 'laura.payet@cirad.fr'
Objet : RE: Time for testing in Q10

Dear All,
[…/…]
According to the time records you sent to me: as we did in West, we could proceed in making the calculation of these working days by equivalency to daily worker days. I explain: in the budget, it is stated that a daily worker "standard cost" for one day is 16 euros, for a technician it is 48, and for expert it is 80.
*So each time you count Maryam work for one day, I would agree that you charge the project by 3 days from daily worker (as 3*16 = 48).*
*Now about your work Humphrey, we could do the same by applying the coefficient 5 in place of 3 for Maryam as 5*16=80. But we have to discuss because I have a concern which is that, for the RTC East, the better "use" of your skills, knowledges, technicity, etc., would have been to really allocate your competences of Expert to Expert work, and allocate a Technician to do the work of testing you probably made on testing on Everina's samples. I know that time has been flying and that, as usual, you made the necessary to bring the project and this activity forward. I hope that you understand the point I want to make: we discussed the other day of "feeding the missing positions" in RTC East (with my definition of these words); having a well trained technician in the RTC is of great importance for letting experts running the RTC's activities while the technician will run testing on samples for the RTC.*
If we accept this hypothesis of calculation (see your file after modification attached), it is around 262 days of daily worker that have to be stated for H3 sample testing. Please note that the "stock" of such days in the actual budget is between 485 to 725 days if we cumulate days not stated in 2009 and those for 2010 for daily worker (line C.1.3.0.); after deduction of those 262 days, would then remain between 223 to 463 days for running the rest of daily worker activities in 2010 within RTC East, knowing that we will do the same type of calculation for reporting about H1, H2 and H4 sample testing in RTC East / TBS (the ongoing analysis).
Do we agree on that?
I also sent this message to Dominic so that he can also give his view on this way of calculation.
Please take note that I got the approval of PEA to speak this way (this explains the cc to Philipp).
Best regards
Jean-Paul GOURLOT

If previous reporting are approved, then the WTR file for Q10 can serve the purpose of model for further cumulative reporting during the project for Everina LUKONGE, and thus can be stored on the csitc.org website as the other models every quarter. This file was sent to PEA on Tuesday May 4th, 2010.

7.5 - Payment of Working Time for RTC East and its partners for Q1 to Q6

I came to this discussion as I understood from the above that LZARDI was not compensated yet for the working days of Everina LUKONGE. From discussions with Dominic, Kaisi and Humphrey, it appeared that only a part (around 50%) of the Working Time which was reported to PEA was received from PEA to RTC East/TBS for those quarters. In consequence, no money was yet transferred to TCB and LZARDI, for any activity including the activity D.2.2.

I understood that this situation was discussed with PEA before and during the Inauguration trips; files were exchanged between PEA and RTC East/TBS for explaining and proving that fact. It seems that the discussions came to the point of a recognition of that fact, and that payment is now to be made to maintain the motivation of the involved bodies and persons in the Project.

Then, it was clear that the release of money from RTC East / TBS to TCB (Q1 to Q6) and LZARDI (only involved from Q5 and Q6 on) will be done after full payment of the Working Time missing money by PEA to RTC East / TBS.

7.6 - Payment of Working Time for RTC East and its partners for Q7 and Q8

For those quarters, RTC East/TBS acknowledge the fact that an integral payment was made of the days reported in the according WTR. In the oral report I made to M. KINABO, TBS Acting Director, I stated the point that now the corresponding money should be released as soon as possible to TCB and LZARDI accordingly to their WTR statements.

7.7 - Usual reporting general procedure for the Project

To be understood properly and on a common level I explained the procedures of reporting every quarter as follows:

At the beginning of the project, the Project Executive Agency (PEA) provided an advanced payment to a specific bank account for TBS to run its activities. Among TBS activities, LZARDI is taking its part.

During every quarter, TBS takes its money from the account to run the activities. Then at the end of every quarter, TBS makes a full report (see next paragraph) to get a replenishment of money from the PEA at the level of the first advanced payment. For instance, if PEA provided 10 000 USD at the start of the project, and if TBS has been using 4 000 USD at the end of the first quarter, and if TBS makes a proper report, then PEA replenish TBS bank account with 4 000 USD coming back at the original level of 10 000 USD. There should then always be money on TBS account at all times.

However, some reporting processes are more or less easy and require some time before replenishments. Indeed, when is the report is gone from LZARDI to TBS, from TBS to PEA, PEA groups all full reports from all partners of the project, and makes its own report to the funding bodies, CFC and EU. According to their decision, the replenishment of PEA account is made and consequently, the ones from the partners as well…

To be properly replenished, it is of importance to use the normal project forms and respect the delays demanded by PEA.

Three sets of documents should be provided every quarter to TBS so that they make their report in the name of RTC East:

- Working Time Report (WTR)
- AND a Statement of Expenditures (SOE) + Set of officials proofs.
- AND Technical reports and /or outputs.

To be complete, a report should contain all three items; in addition, those three documents should be coherent; for instance, if the WTR states a 5 days work for such quarter, the SOE should also state 5 days, as well as the invoices should display those 5 days, and the technical result should be accordingly fed/obtained and proved.

7.7.1 - Working Time Report (WTR)

Each of the activity should be reported week per week in a table where the number of days of work should be reported in the cells. For instance, if you worked 3 days during a mission in Uganda during week 35, then you write 3 in the according cells just as follows (example of D.2.2. activity for Everina LUKONGE):

Activity list	Description	… Week 34	Week 35	Week 36 …
D.2.2 Variability study	Mission to Uganda		3 days	
D.2.2 Variability study	Mission in Mozambique			5 days

An automatic summing-up process is then made per quarter and year per year.

Every quarter, when all data is entered, a printed copy should be signed by Mrs Everina Lukonge as well as M. Peter Kapingu before being sent to TBS with all copies from all accompanying documents for that quarter.

7.7.2 - Statement of Expenditures (SOE) + Set of officials proofs

For every expense, an invoice or a proof is to be presented to the project; thus each expense requires an inscription in the SOE file with its according proof.

If a working time is to be reported, an invoice should be created by LZARDI on an according duration in time for this activity.

7.7.3 - Technical reports and outputs

This project is first devoted to make progress, to state visible outputs out of the efforts which are made. There is not a typical format for reporting results as the activities are very varied. However, any document proving the proper realization of the activities can serve as Technical report.

7.7.4 - Money replenishment

When full reports are acknowledge at the CFC, they refund the according money to PEA who then distributes this money to partners according to every partner's situation and statement of activity. Money is sent through bank account transfers.

7.8 - About the extension of the contract between TBS, LZARDI and CIRAD

To allow further testing in Uganda (crop over a period covering 2010 and 2011), and to allow a participation of Everina LUKONGE to the World Research Cotton Conference 2011 to

present her results, there is a common agreement to extend the actual contract – initially planned to end in December 2010 – to end of November 2011. For doing so, there will be no change in the budget volume, and there will be a longer term for using it the way it is already stated in the contract.

According documentation will be sent out for signature by all involved bodies during 2010.

7.9 - Other related business

RTC East / TBS state about their clear intention of stating Working Time that was used earlier in the Project and not stated yet in coming Working Time reports for Daily Worker, Operator and Driver now that the Regional Technical Center as been inaugurated. It may also come some "employements" in the future to feed the required work for the Project.

We agreed to use the word of "employment" above as anybody working for the Project and for which it is recognized that he/she brings improvement in the Project activities, and for which Working Time can be stated in the WTRs and SOEs. It does not say that it opens work position *per-say* in the hosting organization nor the RTC East itself. It can be TBS personnel or TCB personnel that the Directions of respective Organizations would allocate to the Project in order to run activities, which would logically be compensated by the Project (according to WTR and SOE according records) during its duration.

The case of Working Time for M. Gervas KAISI came to the discussion for saying that only a few part of his time was stated already compared to an oral agreement between Dominic and Axel (15 days at 100 USD per month would be stated in WTR and SOE from April 2009 on). Then, the missing records will come in the next Quarter report as the RTC East has been inaugurated now.

For sure these discussions went far beyond by main objective of mission, but I hope that it helps for running this Project even better.

8 - <u>Additional topic</u>

From the installation of the chiller from the Air Management System (AMS), we can see () that some parts are not enough insulated against the external surrounding air. As very cold gas are transported in these parts, the free water of the air is condensed on those cold parts and water flows under the equipments. To avoid any oxidation of these parts and all surrounding supports, it would be best to improve the insulation of the required pieces in the system for both installed AMS.